

Appln. No. 10/705,275
Amendment dated September 26, 2005
Reply to Office Action of May 24, 2005

Amendments to the Claims:

Please amend claims 1-12 as follows. The following listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (Currently Amended). An optical deflection device comprising:

an optical deflection element having a prescribed deflecting plane of deflecting a direction of light,

5 a drive portion for driving the optical deflection element rotatably ~~at least~~ about two axes,

a fixing portion for supporting and fixing the optical deflection element,

10 a movable portion including the ~~[[above]]~~ optical deflection element,

a support member for supporting the fixing portion and being connected ~~[[with]]~~ to the fixing portion ~~and for supporting this~~, and

15 a damping member installed between the movable portion and the fixing portion, and being different from the support member.

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Claim 2 (Currently Amended). An optical deflection device as ~~claimed in~~ defined by claim 1, wherein the damping member is provided in the vertical direction substantially compared with the deflecting plane.

Claim 3 (Currently Amended). An optical deflection device as ~~claimed in~~ defined by claim 1, wherein the damping member is provided ~~in neighborhood at~~ near the rotation center of the optical deflection element.

Claim 4 (Currently Amended). An optical deflection device as ~~claimed in~~ defined by claim 1, wherein the damping member is provided at the center part of the movable portion substantially at the rear side opposed to the deflecting plane of the optical
5 deflection element.

Claim 5 (Currently Amended). An optical deflection device as ~~claimed in~~ defined by claim 4, wherein the fixing portion has a projection extended to the rear side of the optical deflection element almost in the center part, and the damping member is

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- 5 provided between the movable portion and the ~~projections~~
projection of the fixing portion.

Claim 6 (Currently Amended). An optical deflection device
as ~~claimed in~~ defined by claim 5, wherein the damping member has
a cylindrical shape.

Claim 7 (Currently Amended). An optical deflection device
as ~~claimed in~~ defined by claim 1, wherein the damping member
~~constituted with~~ comprises gel, rubber, grease or oil.

Claim 8 (Currently Amended). An optical deflection device
as ~~claimed in~~ defined by claim 1, wherein the optical deflection
element is an optical element ~~using the~~ having a reflection
action or ~~[[the]]~~ a refraction action.

- Claim 9 (Currently Amended). An optical deflection device
as ~~claimed in~~ defined by claim 1, wherein the drive portion
comprises a coil member provided so as to support the optical
deflection element indirectly or directly, and a magnet installed
5 ~~[[in]]~~ at the periphery of the coil member.

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Claim 10 (Currently Amended). An optical deflection device as ~~claimed in~~ defined by claim 9, wherein the coil member contains a first coil and a second coil, and the magnet is installed ~~[[at]]~~ outside of the first coil and the second coil.

Claim 11 (Currently Amended). An optical deflection device as ~~claimed in~~ defined by claim 1, further comprising a frame member for directly supporting the optical deflection element directly.

Claim 12 (Currently Amended). An optical deflection device as ~~claimed in~~ defined by claim 11, wherein the coil member is built into the frame member.

Claim 13 (Withdrawn). An optical deflection device as claimed in claim 1, further comprising a light emitting source for irradiating prescribed light to the movable portion, at the rear side opposed to the deflecting plane of the optical
5 deflection element, and a sensor for detecting the gradient of the deflecting plane opposed to the deflecting plane of the optical deflection element, by receiving the light.

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Claim 14 (Withdrawn). An optical deflection device as claimed in claim 13, wherein the photo detector for position detection is included in the sensor.

Claim 15 (Withdrawn). An optical deflection device as claimed in claim 13, wherein the damping member is provided on the deflecting plane in the substantially vertical direction.

Claim 16 (Withdrawn). An optical deflection device as claimed in claim 13, wherein the damping member is provided in neighborhood at the rotation center of the optical deflection element.

Claim 17 (Withdrawn). An optical deflection device as claimed in claim 13, wherein the damping member is provided at the center part of the movable portion substantially at the rear side opposed to the deflecting plane of the movable portion.

Claim 18 (Withdrawn). An optical deflection device as claimed in claim 17, wherein the fixing portion has a projection extended to the rear side of the movable portion almost at the

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center part, and the damping member is provided between the
5 movable portion and the projections of the fixing portion.

Claim 19 (Withdrawn). An optical deflection device as
claimed in claim 18, wherein the damping member has a cylindrical
shape or a plate shape.

Claim 20 (Withdrawn). An optical deflection device as
claimed in claim 13, wherein the damping member is constituted
with gel, rubber, grease or oil.